

Cloisite® 25A

*Attachment H*

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<b>CLOISITE® 25A</b>	TYPICAL PHYSICAL PROPERTIES BULLETIN
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**Description:**

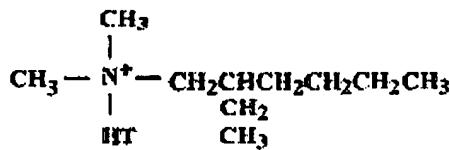
Cloisite® 25A is a natural montmorillonite modified with a quaternary ammonium salt.

**Commercially available in the USA only****Designed Used:**

Cloisite® 25A is an additive for plastics to improve various plastic physical properties, such as reinforcement, HDT, CLTE and barrier.

**Typical Properties:**

Treatment/Properties:	Organic Modifier (1)	Modifier Concentration	% Moisture	% Weight Loss on Ignition
Cloisite® 25A	2MHTL8	95 meq/100g clay	< 2%	34%



Where HT is Hydrogenated Tallow (~65% C18; ~30% C16; ~5% C14)  
Anion: methyl sulfate

(1) 2MHTL8: dimethyl, hydrogenatedtallow, 2-ctylhexyl quaternary ammonium

**Typical Dry Particle Sizes: (microns, by volume)**

10% less than:	50% less than:	90% less than:
2 $\mu$	6 $\mu$	13 $\mu$

**Color:** Off White**Density:**

Loose Bulk, lbs/ft <sup>3</sup>	Packed Bulk, lbs/ft <sup>3</sup>	Specific Gravity, g/cc
12.08	20.48	1.87

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X Ray Results:  $d_{001} = 18.6\text{\AA}$

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